



01/29/02

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U.S. PTO  
01/29/02  
10/058086

Date: January 29, 2002

Docket No.: 1794-0147P

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

As authorized by the inventor(s), transmitted herewith for filing  
is a patent application applied for on behalf of the inventor(s)  
according to the provisions of 37 CFR 1.41(c).

Inventor(s): KUMAGAI, Hiroshi  
MIDORIKAWA, Katsumi

For: METHOD FOR LASER COOLING OF ATOMS AND APPARATUS THEREFOR AS  
WELL AS COHERENT LIGHT SOURCE USED FOR LASER COOLING OF  
ATOMS

Enclosed are:

- X   A specification consisting of   62   pages
- X     24   sheet(s) of   FORMAL   drawings
- Certified copy of Priority Document(s)
- X   Executed Declaration in accordance with 37 CFR 1.64 will follow
- Applicant claims small entity status in accordance with 37 CFR 1.27
- Preliminary Amendment

- X Information Sheet
- Information Disclosure Statement, PTO-1449 with reference(s)
- Application Data Sheet in accordance with 37 CFR 1.76
- Other \_\_\_\_\_
- Applicant requests early publication

The filing fee has been calculated as shown below:

LARGE ENTITY				SMALL ENTITY			
FOR	NO. FILED	NO. EXTRA	RATE FEE		RATE FEE		
BASIC FEE	***** ***** *****	***** ***** *****	***** ***** \$740.00 *****	or	**** **** \$370.00 ****		
TOTAL CLAIMS	12 - 20 =	0	x18 =\$ 0.00	or	x 9 = \$	0.00	
INDEPENDENT	7 - 3 =	4	x84 =\$ 336.00	or	x 42 = \$	0.00	
MULTIPLE DEPENDENT CLAIM PRESENTED <u>no</u>			+280 = \$ 0.00	or	+140 = \$	0.00	
TOTAL \$1,076.00				TOTAL \$ 0.00			

- X The application transmitted herewith is filed in accordance with 37 CFR 1.41(c). The undersigned has been authorized by the inventor(s) to file the present application. The original duly executed patent application together with the surcharge will be forwarded in due course.
- X A check in the amount of \$ 1,076.00 to cover the filing fee and recording fee (if applicable) is enclosed.
- The Government Filing Fee will be paid at the time of completion of the filing requirement.
- Please charge Deposit Account No. 02-2448 in the amount of \$ \_\_\_\_\_. A triplicate copy of this transmittal form is enclosed.

Send Correspondence to:

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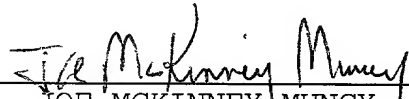
— No fee is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

Respectfully submitted,

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By



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